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Catalogue of Indian Insects

PART 4—Trypetidae (Trypaneidae)

BY

R. SENIOR-WHITE,

F.E.S., F.R.S. T.M.&H.

(Malariologist, the Kepitigalla Rubber Estates, Ltd.)



Issued under the authority of the Government of India

CALCUTTA : GOVERNMENT OF INDIA
CENTRAL PUBLICATION BRANCH
1924

Price As. 8 or 9d.

The Catalogue of Indian Insects, of which the present instalment forms a part, is an inter-departmental publication, which is edited by a Standing Committee of Entomologists appointed by the Entomological Meetings held in India.

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PREFACE.

Since Professor Bezzi monographed the Indian Museum's collection of Trypetidae in 1913, ten years have elapsed. Since that time not only has the most important sub-family, (speaking economically), undergone complete revision at the hands of Professor Bezzi, but that author, in dealing with the African species in a series of papers, has set forth a considerable amount of generic synonymy which affects the Oriental species. In addition, new species by several authors have appeared.

The nett result is that although Professor Bezzi's Memoir is still the foundation of our modern knowledge of the family, it needs supplementing by a record of subsequent progress, which it is the intention of the present catalogue to supply. With its keys and nomenclature thus corrected the Memoir in question will subserve the Indian worker's needs until the yet far distant date when a ' Fauna ' volume or volumes on the *Muscoidea Acalyptrata* becomes a possibility.

The author wishes to record his sincere thanks to Dr. Guy A. K. Marshall for a list of the references to literature concerning *Dacus oleae*, which could not have been compiled in India, and to Professor Bezzi for light upon certain recently published species of Enderlein's.

RONALD SENIOR-WHITE.

SUDUGANGA.

Ceylon.

Catalogue of Indian Insects.

TRYPETIDÆ, (TRYPANEIDÆ).

Howl., Ind. Ins. L., 631-634, ff. [general acct.]; Frogg., "Fruit-Fly," 73-115, tab. i-viii [economic]; Zerny, Verh. z. b. Ges. Wien, liz, 252 [nomenclature]; Bezzi, Boll. Lab. Zool. Portici, V, 2-4 [classification]; *id.*, Mem. Ind. Mus., iii, 52-175, tab. viii-x [full acct. Indian spp.]; Zerny, Wien. Ent. Zeit., xxxiii, 74 [synopsis of genera of World].

DACINÆ.

Bezzi, Mem. Ind. Mus., iii, 84-87, 92 [classificatory]; *id.*, B. Ent. R., vii, 99-121 [revision, list of host plants]; *id.*, Phil. Jo. Sci., xv, 411-442, tab. i, ii [list of Indian spp., key to genera]; anon., Trop. Agric., xxxv, 222 [baits]; Howl., B. Ent. R., vi, 297 [chemical reactions].

1. *Dacus*, Fabricius.

Dacus, F., Syst. Antl., 272, (1805) [genotype, *Dacus podagricus*, Fb.]; Wulp, Cat. Dipt. S. Asia, 186; Frogg., "Fruit-Fly," 78; Bezzi, B. Ent. R., vi, 85, ff. 1, 2, 3 [chaetotaxy, wing]; *id.*, loc. cit., vii, 101 [revision]; Hend., Suppl. Ent., (1), Aug. 1912, 13-24, Tab. 1.

Leptoxyda, Macq., H. N. Dipt., ii, 452, 2, (1835) [genotype, *D. longistylus*, Wd., as *L. testacea*, Mq.]; Bezzi, Mem. Ind. Mus., iii, 92.

brevistylus, Bezzi.

Dacus brevistylus, Bezzi, Boll. Lab. Zool. Portici, 111, (1908) ¹; *id.*, B. Ent. R., v, 154 ²; *id.*, loc. cit., vi, 100 ³; *id.*, loc. cit., vii, 101. ⁴

⁴ Hagari.

⁴ Cuddapah.

⁴ Coimbatore.

^{1, 2, 3} Africa (general),

² Europe.

longistylus, Wiedemann.

- Dacus longistylus*, Wd., Auss. Zweif. ⁶ Karachi.
 Ins., ii, 522-523, (1830) ¹; Bezzi, B. ², ⁴ Coimbatore. ✓
 Ent. R., v, 154 ²; *id.*, loc. cit., vi, 99 ³;
id., loc. cit., vii, 101 ⁴; Surc., Insecta, ⁴ Puri.
 (1911), 269, f. ⁵; Adair, Ag. Jo. Egypt, Nagpur.
 x, 18. ⁷ Matale (Ceylon).
Leptoxyda longistyla, Bezzi, Mem. Ind. ³, ⁷ Egypt.
 Mus., iii, 92, t. viii, f. 1. ⁶
Leptoxyda testacea, Mq., H. N. Dipt., ii, ³, ⁵, ⁸ Senegal.
 452, (1835). ⁸

oleae, Rossi.

- Musca oleae*, Rossi, F. Etrus., ii, 317,
 (1790); F., Ent. Syst., iv, 349, (1794 ¹),
 Latr.; Gen. Crust. Ins., iv, 351; ¹ S. Europe.
 Coqueb., Illustr., 110, tab. xxiv, f. 16; ² N. Africa.
 Gmel. in Linn., Syst. Nat., ed. xiii,
 2844, (1790); Petagna, Inst. Ent., 685,
 (1792).
Dacus oleae, F., Syst. Antl., 215; Latr.,
 Dict. Hist. Nat., 24, 196, 577; Mg.,
 Syst. Besch., vi, 22, tab. lvi, fig. 11-13;
 Mq., Suit. a Buff., ii, 451; Guer-
 Men., Bull. S. Ent. Fr., (2) iii, p.
 lxxiii; *id.*, Gard. Chron., 203, col. 2,
 (1847); Lucas, Expl. Sci. Alg., iii,
 496 ²; Goureau, Bull. S. Sci. Yonne,
 xv, pt. 2, 226-228; Lw., Trypet., 124,
 tab. xxvi, fig. 2; Schin., F. Austr., ii,
 175; Rond., Dipt. Ital. Prodr., vii,
 48; Kaltenb., Pflanzenf., 437, (1872);
 Taschenb., Prak. Insek. Kund., iv,
 141, (1880); Peragallo, Ins. Nuisibles,
 88-103, 157-160; Brauer, Zweif. K.
 K. Mus., (1883); 88, Tryon, Queens-
 land, Rpt. Ins. Fungus Pests, I, 73-
 74; *id.*, Queensland Dept. Agric.,
 bull. x, (1896); Neville-Rolfe, Queens.
 Ag. Jo., ii, 377; Leonardi, Inset. Noc.,
 iii, 272-283; Berlose, Redia, iii, 386-
 388 [control methods]; Fischer, Trop-
 enpflz., ix, 668; *id.*, Redia, iv, 2-44;

Silv., Atti Ist. Nap., lix, 657-677 [parasites]; de Stef., Nat. Sicil., xix, 174-176; Silv., Coltivatore, nos. 23 & 24, 1907 [parasites]; Berlese, Redia, iv, 99-180; *id.*, *loc. cit.*, iv, 193-197; Martelli, *loc. cit.*, iv, 261-275; Guercio, *loc. cit.*, iv, 276-284; Paoli, *loc. cit.*, iv, 285-288 [parasites determined]; Berlese, *loc. cit.*, iv, 289-328 [parasites]; Martelli, Boll. Lab. Portici, ii, 3-12; Silvestri, *loc. cit.*, ii, 13-17; Silv., Masi & Mart., *loc. cit.*, ii, 18-82 [parasites]; Masi, *loc. cit.*, ii, 185-194 [parasites]; Paoli, Redia, v, 27-30; Guercio, Atti Acc. Firenze, (5) v, disp. 1, 18-63; Berlese, Atti. Ist. Nap., lx, 193-224; Comes, *loc. cit.*, lx, 3-12; Berlese, *loc. cit.*, (5) v, no. 3, 9 pp.; *id.*, Ann. Fac. Sci. Marseille, xviii, 149-153; *id.*, Quinz. coloniale, xiii, 525; *id.*, Atti. Acc. Firenze, (5) vii, disp. 3, 203-216; Marchal, Bull. S. Ent. Fr., 1910, 243 [parasite]; Martelli, Boll. Lab. Zool. Portici, iv, 73-104, (1910); Berlese, Redia, vii, 111-155; *id.*, *loc. cit.*, vii, 470 [parasites]; Marchal, C. R. Acad. Sci. Paris, clii, 215-218 [parasites in Tunis]; Berlese, Atti. Acc. Firenze, (5) viii, disp. 2, 53-100, 2 ta.; Guiccard., *loc. cit.*, (5) viii, disp. 2, 101-113; *id.*, Quinz. Colon., xv, 202; Campbell, Il Coltivat. Casale Monferrato, lvii, 48-52; Berlese, Agric. toscana, Firenze, ii, 49-53; *id.*, Atti. Acad. Firenze, (5) ix, disp. 3, 180-195; *id.*, Quinz. Colon., xvi, 333; Truffaut, Enem. Plant. Cult., 387; Macdonald, Jo. Ag. Vict., x, 405; *id.*, *loc. cit.*, x, 470; Gabriele, Giorn. Agric. Ital., xxi, no. 13, 19 pp.; Chapelle, Vie Agric., iii, 80, 82; Silvestri, Boll.

Lab. Zool. Portici, viii, 70-88 ; Berlese, Inset. Noc., 134, 143-162, (1915) ; Mantero, Boll. Lab. Zool. Portici, ix, 389 ; Guen., Ent. Par. Agr., 280-283 ; Silvestri, Boll. Lab. Zool. Portici, xi, 170-182, 9, ff. [hyperparasite] ; *id.*, Boll. Soc. Naz. olivicoltor., xii, 16-18 [parasites] ; Cyprus. Agric. Jo., xiv, 76 [legislation].

oleae var. asiatica, Silvestri.

Dacus oleae var. asiatica, Silv., Att.

Acad. Lincei, xxv, (2) 425, (1916), ¹ Peshawar District. [description and new parasite].¹

2. Chaetodacus, Bezzi.

Chaetodacus, Bezzi, Mem. Ind. Mus., iii, 89, (1913) [genotype, *Ch. ferrugineus*, F., p. 93] ; *id.*, B. Ent. R., vii, 101 [key to Indian spp.], 113 [partial key].

Dasyneura, Saund., nec Rond., Tr. Ent. Soc. Lon., iii, 60, 1849 [genotype, *D. zonata*, Saund.] ; Wulp, Cat. Dipt. S. Asia, 194.

biguttatus, Bezzi.

Chaetodacus biguttatus, Bezzi, B. Ent. ¹ Darjiling.

R., vii, 111, (1916).¹

bipustulatus, Bezzi.

Bactrocera bipustulata, Bezzi, B. Ent. ^{1, 2} Mysore Hills.

R., v, 153, (1914).¹

Chaetodacus bipustulatus, *id.*, *loc. cit.*, ² Coonoor. vii, 112.²

caudatus, Fabricius.

Dacus caudatus, F., Syst. Antl., 276, ⁹ Kumaon. 16, (1805) ¹ ; Wd., Auss. Zweifl. Ins., ⁹ Nepal. 11, 518, 8, (pp.) ² ; Wulp, Cat. Dipt. ^{8, 9} Bengal. S. Asia, 186 ³ ; Meij., Tijd. v. Ent., ⁹ Assam. li, 179, 5 ⁴ ; Bezzi, Boll. Lab. Zool. Portici, 111, 294 ⁵ ; Enderl., Zool. ⁹ Dehra Dun. Jahrb., xxxi, 409 ⁶ ; Hend., Supp. ¹³ Pusa. Ent., i, 16, 2, tab. 1, 2 ; Green, Trop. Agric., xxxvii, 240.¹⁴

Dasyneura caudata, Walk., List. Dipt. ¹⁰ Madras Hills.

B. M., iv, 1073.⁸

Bactrocera caudata, Bezzi, Mem. Ind. ⁹ Burma.

Mus., iii, 97, tab. viii, f. 8.⁹

Chaetodacus caudatus, *id.*, B. Ent. R., ^{9, 11} Ceylon.

vii, 110 ¹⁰; *id.*, Phil. Jo. Sci., (1913), ^{1, 2, 3} Java.

321 ¹¹; *id.*, *loc. cit.*, xv, 411, 428 ¹²; ^{11, 12} Philippines.

Fletcher, iv, Ent. Mtg., 15 ¹³; White, ^{6, 7} Formosa.

Ind. Agric. Ent. Mem., vii, 97.¹⁴

Correctus, Bezzi.

Bactrocera zonata, Bezzi [nec. Saund.], ² Pusa.

Mem. Ind. Mus., iii, 94, (1913), tab. ² Hagari.

viii, fig. 4.

Chaetodacus correctus, *id.*, B. Ent. R., ² Guindy.

vii, 107, (1916).²

cucurbitae, Coquillett.

Dacus cucurbitae, Coq., Ent. News, 1899, Throughout India, Burma
129, (1899) ¹; Grim., F. Hawaii Dipt., and Ceylon.

45, 4 ²; v. Dine, Haw. Forest. and

Agric., 111, 127 ³; Lefroy, Mem. Dept.

Ag. Ind., 1, 130, 228 ⁴; Bezzi, Boll. ^{11, 12} Philippines.

Lab. Zool. Portici, iii, 291 ⁵; Frogg.,

"Fruit-Fly," 84, tab. ii, f. 6, 7 ⁶;

Howl., Ind. Ins. L., 633, fig. 418 ⁷;

Green, Trop. Agric., xxxvii, 240 [host ^{1, 2, 3, 14, 6} Hawaii.
plants].⁸

Bactrocera cucurbitae, Bezzi, Mem. Ind.

Mus., iii, 96, tab. viii, fig. 7.⁹

Chaetodacus cucurbitae, Bezzi, B. Ent.

R., vii, 109 [variations] ¹⁰; *id.*, Phil.

Jo. Sci., 1913, 321 ¹¹; *id.*, *loc. cit.*,

xv, 411, 428 ¹²; Fletcher, iv, Ent.

Mtg., 15 ¹³; Fullaway, iii, Ent. Mtg.,

625-629 [control].¹⁴

diversus, Coquillett.

Dacus diversus, Coq., Proc. Ent. S. Wash,

vi, 139, (1904) ¹; Frogg., "Fruit-Fly," ⁵ Bengal.

83 ²; Bezzi, Boll. Lab. Zool. Portici, ^{2, 6, 7} Pusa.

iii, 294 ³; Howl., Ind. Ins. Life, 632, ⁶ Dehra Dun.

tab. lxvi, fig. 2.⁴

⁷ Ahmedabad.

Bactrocera diversa, Bezzi, Mem. Ind. ⁷ Nagpur.

Mus., iii, 94, tab. viii, figs. 2, 3.⁵

Chaetodacus diversus, *id.*, B. Ent. R., vii, ⁷ Shillong.

108 ⁶; Fletcher, iv, Ent. Mtg., 15 ⁷ Godavari District.

[at bug excrement].⁷ ^{1, 2, 7} Bangalore.

⁷ Coimbatore.

¹ Colombo.

duplicatus, Bezzi.

Chaetodacus duplicatus, Bezzi, B. Ent. R., ¹ Pachmari.

vii, 107, (1916).¹ Banhar (Inglic).

ferrugineus, Fabricius.

Musca ferruginea, F., Ent. Syst., iv, 342, ¹⁸ Nagpur.

(1794).² ¹⁶ Sikkim.

Dacus ferrugineus, *id.*, Syst. Antl., ¹⁶ Assam.

274, 5 ²; Wd., Auss. Zweifl. Ins., ¹⁶ Tenasserim.

ii, 515 5 ³; Mq., Dipt. Exot., supp. ¹⁷ U. Burma.

3, 64 ⁴; *id.*, loc. cit., supp. 4, 284 ⁵; ^{16, 17} N. Bihar.

Wulp, C. R. S. Ent. Belg., 1884, 296, ¹⁶ Bangalore.

14⁶; *id.*, Cat. Dipt. S. Asia, 186 ⁷; ^{9, 16} Calcutta.

v. Rod., Ent. Nacht., xix, 235, 22 ⁸; ^{7, 11, 16, 14} Ceylon.

Cotes, Ind. Mus. Notes, iii, 17 ⁹;

Meij., Tijd. v. Ent., li, 126 ¹⁰;

Frogg., "Fruit-Fly," 86, tab. ii, fig.

8 ¹¹; Bezzi, Boll. Lab. Zool. Portici,

iii, 293 ¹²; Green, Trop. Agric., xxv,

297 ¹³; *id.*, loc. cit., xxxvii, 240

[host plants] ¹⁴; Jarvis, Queens. Ag.

Jo., xvii, 309 (abs. R. A. E. [A] x,

477) [control].¹⁵

Bactrocera ferruginea, Bezzi, Mem. Ind. ⁷ Java.

Mus., iii, 95, tab. viii, fig. 5.¹⁶

^{7, 19, 22} Amboina.

Chaetodacus ferrugineus, *id.*, B. Ent. R., ^{21, 22} Queensland.

vii, 104, [redefined *sens. strict.*],

(1916) ¹⁷; Fletcher, iv, Ent. Mtg., 14.¹⁸

Bactrocera conformis, Dol., Nat. Tijd.

Ned. Ind., xvii, 122, 78, (1859).¹⁹

Dacus conformis, Konigs., Med. uit.

s'Lands Plant., xx, 24, (1897).²⁰

Tephritis tryoni, Frogg., Ag. Gaz. N. S.

W., 1917, 410, tab. viii, fig. 1, (1907).²¹

Dacus tryoni, id., "Fruit-Fly," 79, tab.
i, fig. 1, tab. vi.²²

ferrugineus var. **dorsalis**, Hendel.

Dacus dorsalis, Hend., Supp. Ent., i, 2 Peshawar.
1912, 18, tab. i, fig. 3, (1912).¹ 2 Pusa.
Chaetodacus ferrugineus dorsalis, Bezzi, 2 Coimbatore.
B. Ent. R., vii, 104²; id., Phil. Jo. 2, 3 Burma.
Sci., xv, 412, 423.³ 2, 3 Ceylon.
3 Java.
3 Philippines.
1, 3 Formosa.

ferrugineus var. **incisus**, Walker.

Dacus incisus, Wlk., T. Ent. S. Lon., 4 Nagpur.
n. s., V, 323, (1860)¹; Wulp, Cat. Dipt. 3 Kumaon.
S. Asia, 187.² 3 S. India Hills.
Chaetodacus ferrugineus incisus, Bezzi, 1, 2, 3, 4 Burma.
B. Ent. R., vii, 105³; Fletcher, iv, Ceylon, (White).
Ent. Mtg., 14.⁴

ferrugineus var. **versicolor**, Bezzi.

Chaetodacus ferrugineus versicolor, Bezzi, 1 Pusa.
B. Ent. R., vii, 105, (1916).² 1 Coimbatore.
1 Peradeniya.

garciniae, Bezzi.

Bactrocera garciniae, Bezzi, Mem. Ind. 1, 2, 3 Peradeniya.
Mus., iii, 97, tab. viii, fig. 9, (1913).¹
Dacus garciniae, Green, Trop. Agric.,
xxxvii, 240 [host plants].²
Chaetodacus garciniae, Bezzi, B. Ent.
R., vii, 110.³

hageni, de Meijere.

Dacus hageni, Meij., Tijd. v. Ent., liv, 2 Meiktila.
375, (1911).¹
Chaetodacus hageni, Bezzi, B. Ent. R., 1 Sumatra
vii, 109.²

maculipennis, Doleschall.

- Bactrocera maculipennis*, Dol., Nat. Tijd. ² Kurseong.
 Ned. Ind., x, 412, 36, tab. ii, fig. 1, ² Calcutta.
 (1856) ¹; Bezzi, Mem. Ind. Mus., iii, ⁵ Pachmari.
 99, tab. viii, fig. 11.²
Dacus maculipennis, Meij., Tijd. v. Ent., ⁶ Coimbatore.
 li, 127, 2 ³; Bezzi, Boll. Lab. Zool. ⁶ Minbu.
 Portici, iii, 293.⁴
Chaetodacus maculipennis, id., B. Ent. ^{1, 2, 3} Java.
 R., vii, 109 ⁶; Fletcher, iv, Ent. Mtg.,
 15.⁵

scutellaris, Bezzi.

- Bactrocera scutellaris*, Bezzi, Mem. Ind. ¹ Sikkim.
 Mus., iii, 98, tab. viii, fig. 10, (1913).¹ ¹ Khasia
Chaetodacus scutellaris, id., B. Ent. R., ^{1, 2} Kumaon.
 vii, 113.² ² Shan States.

scutellarius, Bezzi.

- Chaetodacus scutellarius*, Bezzi, B. Ent. ¹ S. Mysore.
 R., vii, 110, (1916) ¹; White, Ent. ² Shillong.
 Mem. Dept. Ag. Ind., vii, 97, (1922).²

tuberculatus, Bezzi.

- Chaetodacus tuberculatus*, Bezzi, B. Ent. ¹ Shan States,
 R., vii, 106, (1916).¹

zonatus, Saunders.

- Dasyneura zonata*, Saund., T. Ent. S. ^{6, 7} Peshawar.
 Lon., iii, 61, tab. v, fig. 3, (1841) ¹; ⁶ Moradabad.
 Wlk., List. Dipt. B. M., iv, 1075 ²; ⁷ Nagpur.
 Wulp, Cat. Dipt. S. Asia, 194.³
Dacus zonatus, Bezzi, Boll. Lab. Zool. ⁶ Pachmari.
 Portici, iii, 293 ⁴; Ender., Zool. Jahrb., ¹⁷ Chota Nagpur.
 xxxi, 408.⁵ ^{6, 21, 23, 7} Pusa.
Chaetodacus zonatus, Bezzi, B. Ent. R., ^{1, 2, 3, 13, 14} Bengal.
 vii, 105 ⁶; Fletcher, iv, Ent. Mtg., ⁶ Coorg.
 15 ⁷; Adair, Ag. Jo. Egypt, x, 18.⁸ ²¹ Bangalore.
Bactrocera maculigera, Doll., Nat. Tijd. ^{24, 25} India.
 Ned. Ind., xvii, 122, 79, (1859).⁹

- Dacus maculiger*, Frogg., Rpt. Par. Inj. ^{9, 11} Amboina.
 Ins., 1917, 8. 94 ¹⁰; Wulp, Cat. Dipt. ⁸ Egypt.
 S. Asia, 187 ¹¹; Bezzi, Boll. Lab.
 Zool. Portici, iii, 294. ¹²
- Dacus mangiferae*, Cotes, Ind. Mus.
 Notes, iii, 17, fig., (1893). ¹³
- Bactrocera ferruginea mangiferae*, Bezzi,
 Mem. Ind. Mus., iii, 96, tab. viii, fig.
 6. ¹⁴
- Dacus ferrugineus*, Lefroy [nec F.], Ind.
 Ins. Pests, 170, figs. 190-192 ¹⁵; *id.*,
 Mem. Dept. Ag. Ind., i, 227, 129, fig.
 71. ¹⁶
- Rivellia persicae*, Big., Ind. Mus. Notes,
 i, 192, (1889) ¹⁷; Wulp, Cat. Dipt.
 S. Asia, 179 ¹⁸; Cotes, Ind. Mus.
 Notes, i, 195 ¹⁹; Lefroy, Ind. Ins.
 Pests, 170, fig. 193. ²⁰
- Dacus persicae*, Frogg., "Fruit-Fly," 82,
 tab. ii, fig. 5 ²¹; Bezzi, Boll. Lab. Zool.
 Portici, iii, 293 ²²; Howl., Ind. Ins.
 Life, 634. ²³
- Dacus squalidus*, Wlk., T. Ent. S. Lon.,
 n. s., v, 323, (1860) ²⁴; Wulp, Cat.
 Dipt. S. Asia, 187. ²⁵
- Bactrocera squalidus*, Bezzi, Mem. Ind.
 Mus., iii, 79. ²⁶

3. *Mellesis*, Bezzi.

Mellesis, Bezzi, B. Ent. R., vii, 114, (1916) [genotype, *Monacrostichus crabroniformis*, Bezzi] [key to Indian spp.].

Axania, Ender., Zool. Jahrb., xliii, 336, (1920) [genotype, *A. ichneumonea*, Enderl.].

Polistomimetes, Enderl., Zool. Jahrb., xliii, 336, (1920) [genotype, *P. minax*, End.].

brachycera, Bezzi.

Mellesis brachycera, Bezzi, B. Ent. R., ¹ Dehra Dun.
 vii, 116, (1916). ¹

crabroniformis, Bezzi.

Monacrostichus crabroniformis, Bezzi, ^{1, 2} Yercaud.
 B. Ent. R., v, 153, (1914).¹
Mellesis crabroniformis, *id.*, *loc. cit.*, vii,
 117.²

destillatoria, Bezzi.

Mellesis destillatoria, Bezzi, B. Ent. R., ¹ Bhamo.
 vii, 118, (1916).¹

eumenoides, Bezzi.

Mellesis eumenoides, Bezzi, B. Ent. R., ¹ U. Burma.
 vii, 119, (1916).¹

icariiformis, Enderlein.

Callantra icariiformis, Enderl., Zool. ¹ Burma.
 Jahrb., xliii, 336, (1920).¹ ¹ Sikkim.

ichneumonea, Enderlein.

Axania ichneumonea, Enderl., Zool. ¹ N. India.
 Jahrb., xliii, 336, (1920).¹

minax, Enderlein.

Polistomimetes minax, Enderl., Zool. ¹ Sikkim.
 Jahrb., xliii, 336, (1920).¹

polistiformis, Senior-White.

Mellesis polistiformis, S-W., Ent. Mem. ¹ Sukna.
 Dpt. Ag. Ind., vii, 156-157, t. 15, fig.,
 (1922).¹

sphaeroidalis, Bezzi.

Mellesis sphaeroidalis, Bezzi, B. Ent. R., ¹ Dehra Dun.
 vii, 115, (1916).¹

4. Adrama, Walker.

Adrama, Wlk., P. Linn. Soc., iii, 118, (1858) [genotype, *Dacus determinata*, Wlk.]; Wulp., Cat. Dipt. S. Asia, 183; Bezzi, Mem. Ind. Mus., iii, 87; *id.*, B. Ent. R., vii, 120.

Acanthipeza, Rond., Ann. Mus. Gen., vii, 438, (1875), [genotype, *A. maculifrons*, Rond.].

austeni, Hendel.

Adrama austeni, Hend., Wien. Ent. Zeit., ^{1, 2, 3} Peradeniya.
xxxi, 12, (1912)¹; Bezzi, Mem. Ind.
Mus., iii, 83²; *id.*, B. Ent. R., vii,
120.³

5. *Meracanthomyia*, Hendel.

Meracantha, Mq., Dipt. Exot. supp. 4, 285, (1851) [genotype, *M. maculipennis*, Mq.]; Lw., Mon. N. Amer. Dipt., iii, 23, 70; Wulp, Cat. Dipt. S. Asia, 193.

Meracanthomyia, Hend., Wien. Ent. Zeit., xxix, 107, (1910) [praeocc. emend.]; Bezzi, B. Ent. R., vii, 120.

gamma, Hendel.

Meracanthomyia gamma, Hend., Wien. ^{1, 2, 3} Ceylon.
Ent. Zeit., xxix, 107, tab. i, fig. 13,
(1910)¹; Bezzi, Mem. Ind. Mus.,
vii, 120²; *id.*, B. Ent. R., vii, 120³.

maculipennis, Macquart.

Meracantha maculipennis, Mq., Dipt. ^{1, 2, 3} E. India.
Exot. supp. 4, 285, (1851)¹; Wulp,
Cat. Dipt. S. Asia, 193.²
Meracanthomyia maculipennis, Bezzi,
B. Ent. R., vii, 120.³

TRYPETINÆ, (TRYPANEINÆ).

Bezzi, Mem. Ind. Mus., iii, 86 [systematic arrangement, tribes].

6. *Anoplomus*, Bezzi.

Anoplomus, Bezzi, Mem. Ind. Mus., iii, 100, (1913) [genotype, *A. flexuosus*, Bezzi].

flexuosus, Bezzi.

- Anoplomus flexuosus*, Bezzi, Mem. Ind. Mus., iii, 100, tab. viii, fig. 12, (1913).¹ ¹ Bengal.
¹ Sikkim.
Tephritis fasciventris, Mq., Dipt. Exot. supp. 3, 225, (65), tab. vii, fig. 7, (1847), [nec. Mq., 1843].² ¹ Paresnath.
Trypeta fasciventris, Wulp, Cat. Dipt. S. Asia, 192.³ ^{2, 3} Java.

7. Chaetellipsis, Bezzi.

Chaetellipsis, Bezzi, Mem. Ind. Mus., iii, 126, (1913) [genotype, *C. paradoxa*, Bezzi].

paradoxa, Bezzi.

- paradoxa*, Bezzi, Mem. Ind. Mus., iii, 127, tab. ix, fig. 37, (1913).¹ ¹ Paresnath.

8. Poecillis, Bezzi.

Poecillis, Bezzi, Mem. Ind. Mus., iii, 128, (1913) [genotype, *P. judicauda*, Bezzi].

judicauda, Bezzi.

- Poecillis judicauda*, Bezzi, Mem. Ind. Mus., iii, 128, tab. ix, fig. 38, (1913).¹ ¹ Paresnath.

9. Acanthoneura, Macquart.

Acanthoneura, Mq., Dipt. Exot., iii, 377, (220), 7, (1843) [genotype *A. fuscipennis*, Mq.]; Wulp, Cat. Dipt. S. Asia, 190; Enderl., Zool. Jahrb., xxxi, 415; Bezzi, Mem. Ind. Mus., iii, 116; Edw., Jo. F. M. S. Mus., viii, 50.

fuscipennis, Macquart.

- Acanthoneura fuscipennis*, Mq., Dipt. Exot., iii, 378, (221), tab. xxx, fig. 2, (1843).¹ ^{1, 2} Bengal.
⁴ Sadiya.
¹; Wulp, Cat. Dipt. S. Asia, 190²; Enderl., Zool. Jahrb., xxxi, 417³; Bezzi, Mem. Ind. Mus., iii, 117, tab. ix fig. 29.⁴

10. Xanthorrhachis, Bezzi.

Xanthorrhachis, Bezzi, Mem. Ind. Mus., iii, 137, (1913) [genotype, *X. annandalei*, Bezzi].

annandalei, Bezzi, Mem. Ind. Mus., iii, ¹ Dawnat Range.
138, tab. ix, fig. 43, (1913).¹

11. Rioxa, Walker.

Rioxa, Wlk., P. Linn. S., i, 35, (1857) [genotype, *R. lanceolata* Wlk.]; Wulp, Cat. Dipt. S. Asia, 189; Bezzi, Mem. Ind. Mus., iii, 111.

contraria, Walker.

Trypeta contraria, Wlk., Dipt. Saund., ^{1, 2, 3} E. India.
385, (1856) ¹; Wulp, Cat. Dipt. S.
Asia, 193.²
? *Rioxa contraria*, Bezzi, Mem. Ind.
Mus., iii, 69.³

dunlopi, van der Wulp.

Ptilona dunlopi, Wulp, Tijd. v. Ent., ⁵ Sylhet.
xxiii, 186, 45, tab. xi, figs. 8, 9, (1880); ⁵ Khargpur.
id., Cat. Dipt. S. Asia, 191.
Rioxa dunlopi, Meij., Bijdr. Dierk. xvii, ⁵ Java.
110 ³; Enderl., Zool. Jahrb., xxxi, ^{1, 2, 6} Sumatra.
448 ⁴; Bezzi, Mem. Ind. Mus., iii,
113, tab. ix, fig. 25.⁵
Acanthoneura dunlopi, Edw., F. M. S.
Mus. Jo., viii, 50.⁶

magnifica, Senior-White.

Rioxa magnifica, S-W., Spol. Zeyl., xi, ¹ Matale (Ceylon).
390, tab. i, fig. 2, (1921).¹

mutyca, Walker.

Trypeta mutyca, Wlk., List. Dipt. B. M., ^{1, 2} E. India.
iv, 1036, (1849) ¹; Wulp, Cat. Dipt. ³ Sadiya.
S. Asia, 192.²
Rioxa mutyca, Bezzi, Mem. Ind. Mus.,
iii, 112, tab. viii, fig. 23 ³; S-W., Ent.
Mem. Dpt. Ag. Ind., vii, 97, (1922),
[note].

punctatipleura, Senior-White.

Rioxa punctatipleura, S-W., Ent. Mem. ¹ Colombo.
Dpt. Ag. Ind., vii, 160-161, t. 13, f. 4,
(1922).¹

quinquemaculata, Bezzi.

Rioxa quinquemaculata, Bezzi, Mem. ¹ Tenasserim.
Ind. Mus., iii, 115, tab. ix, fig. 27, Ceylon.
(1913).¹

soluta, Bezzi,

Rioxa soluta, Bezzi, Mem. Ind. Mus., iii, ¹ Tenasserim.
114, tab. ix, fig. 26, (1913).¹

stellata, Macquart.

Acinia stellata, Mq., Dipt. Exot., supp. ⁵ Tenasserim.
4, 266, (137), 9, tab. xxvii, fig. 7, Ceylon.
(1851) ¹; Wulp, Cat. Dipt. S. Asia,
194 ²; Enderl., Zool. Jahrb., xxxi,
433, fig. 4.³

Trypeta stellata, O-S., Berl. Ent. Zeit., ^{1, 2, 3, 4} Philippines.
xxvi, 227.⁴

Rioxa stellata, Bezzi, Mem. Ind. Mus.,
iii, 115, tab. ix, fig. 28.⁵

vaga, Wiedemann.

Trypeta vaga, Wd., Auss. Zweifl. Ins., ^{1, 2} Bengal.
ii, 490, (1830) ¹; Wulp, Cat. Dipt. S. ³ Tenasserim.
Asia, 192.²

Rioxa vaga, Bezzi, Mem. Ind. Mus., iii, ⁴ Gauhati.
112 tab. viii, fig. 22 ³; S-W., Mem.
Dpt. Ag. Ind., vii, 97.⁴

vidua, Bezzi.

Rioxa vidua, Bezzi, Mem. Ind. Mus., ¹ Sikkim.
iii, 113, tab. viii, fig. 24, (1913).¹

12. Diarrhegma, Bezzi.

Diarrhegma Bezzi, Mem. Ind. Mus., iii, 108, (1913) [genotype, *Dacus modestum*, F.].

modestum, Fabricius.

Dacus modestus, F., Syst. Antl., 278, 29, 1, 2, 4, 9, 10, 11 Bengal.
(1805).¹

Trypeta modesta, Wd., Auss. Zweifl. ⁸ Calcutta.
Ins., ii, 493, 26²; O-S., Berl. Ent. ⁸ Khargpur.
Zeit., xxvi, 227³; Wulp, Cat. Dipt.
S. Asia, 192.⁴

Ptilona modesta, id., Tijd. v. Ent., xli, ^{12, 13} Amboina.
219, 6, tab. x, fig. 17.⁵

Rioxa modesta, Meij., Bijdr. Dierk.,
xvii, 111⁶; Enderl., Zool. Jahrb.,
xxx, 449.⁷

Diarrhagma modestum, Bezzi, Mem. Ind.
Mus., iii, 109, tab. viii, fig. 19.⁸

Trypeta incisa, Wd., Anal. Ent., 53, 117,
(1824)⁹; id., Auss. Zweifl. Ins., ii,
500, 37¹⁰; Wulp, Cat. Dipt. S. Asia,
192.¹¹

Tephritis paritii, Dol., Tijd. Ned. Ind.,
x, 412, 38, tab. 1, fig. 2, (1856).¹²

Trypeta paritii, Wulp, Cat. Dipt. S.
Asia, 192.¹³

Rioxa paritii, Enderl., Zool. Jahrb.,
xxx, 449.¹⁴

13. Ptilona, van der Wulp.

Ptilona, Wulp, Tijd. v. Ent., xxiii, 183, (1880) [genotype, *P. brevicornis*, Wulp]; id., Cat. Dipt. S. Asia, 191; Bezzi, Mem. Ind. Mus., iii, 109.

brevicornis, van der Wulp.

Ptilona brevicornis, Wulp, Tijd. v. Ent., ⁵ Lushai Hills
xxiii, 185, 44, tab. xi, fig. 7, (1880)¹; ^{1, 3} Java.
O-S., Berl. Ent. Zeit., xxvi, 226²; ² Philippines.
Wulp, Cat. Dipt. S. Asia, 191³;
Enderl. Zool. Jahrb., xxx, 415⁴;
Bezzi, Mem. Ind. Mus., iii, 111,
tab. viii, fig. 21.⁵

nigriventris, Bezzi.

Ptilona nigriventris, Bezzi, Mem. Ind. ¹ Assam.
Mus., iii, 110, tab. viii, 20, (1913).¹ ¹ Sylhet.

14. Callistomyia, Bezzi.

Callistomyia, Bezzi, Mem. Ind. Mus., iii, 124, (1913) [genotype, *C. pavonina*, Bezzi].

pavonina, Bezzi.

Callistomyia pavonina, Bezzi, Mem. Ind. Mus., iii, 125, tab. ix, fig. 36, (1913) ¹; Dover, R. I. M., xxii, 395. ²

¹ Calcutta.
^{1, 2} Chilka Lake.
¹ Rajmahal.
¹ Naini Tal (Plains).

15. Gastrozona, Bezzi.

Gastrozona, Bezzi, Mem. Ind. Mus., iii, 105, (1913) [genotype, *Tephritis fasciventris*, Macq.].

fasciventris,

Tephritis fasciventris, Mq., Dipt. Exot., iii, 382, (225), 4, tab. xxxi, fig. 2, (1843), [*fasciventris* in index, p. 459, (302)¹]. ^{1, 2} E. India. ³ Sylhet.

Trypeta fasciventris, Wulp, Cat. Dipt. S. Asia, 192. ² ⁴ Sumatra.

Gastrozona fasciventris, Bezzi, Mem. Ind. Mus., iii, 105, tab. viii, fig. 16 ³; Edw., F. M. S. Mus. Jo., viii, 49. ⁴

melanista, Bezzi.

Gastrozona melanista, Bezzi, Mem. Ind. Mus., iii, 107, tab. viii, fig. 18, (1913). ¹ Calicut.

montana, Bezzi.

Gastrozona montana, Bezzi, Mem. Ind. Mus., iii, 106, tab. viii, fig. 17, (1913). ¹ Kurseong.

16. Taeniostola, Bezzi.

Taeniostola, Bezzi, Mem. Ind. Mus., iii, 119, (1913) [genotype, *T. vittigera*, Bezzi].

gracilis, Bezzi.

Taeniostola gracilis, Bezzi, Mem. Ind. ¹ Dawnat Hills.
Mus., iii, 120, tab. ix, fig. 32,
(1913).¹

vittigera, Bezzi.

Taeniostola vittigera, Bezzi, Mem. Ind. ^{1, 2} Assam.
Mus., iii, 119, tab. ix, fig. 31, (1913) ¹; ¹ Sylhet.
S-W., Ent. Mem. Dpt. Ag. Ind., vii, ¹ Lungleh.
97, (1922).² ² Gauhati.

17. Chelyophora, Rondani.

Chelyophora, Rond., Ann. Mus. Gen., vii, 4333, (1875) [genotype, *C. borneana*, Rond.]; Wulp, Cat. Dipt. S. Asia, 185; Bezzi, B. Ent. R., viii, 229.

Stictaspis, *id.*, Mem. Ind. Mus., iii, 102, (1913) [genotype *S. ceratitina*, Bezzi].

ceratitina, Bezzi.

Stictaspis ceratitina, Bezzi, Mem. Ind. ¹ Paresnath.
Mus., iii, 103, tab. viii, fig. 13,
(1913).¹

separata, Bezzi.

Stictaspis separata, Bezzi, Mem. Ind. ¹ Kohima.
Mus., iii, 104, tab. viii, fig. 15,
(1913).¹

striata, Froggatt.

Ceratitis striata, Frogg., "Fruit-Fly," ^{1, 2, 3} Peradeniya.
iii, tab. v, fig. 17, (1909) ¹; Green,
Trop. Agric., xxxiii, 432 [breeding
place].²
Stictaspis striata, Bezzi, Mem. Ind.
Mus., iii, 104, tab. viii, fig. 14.³
Chelyophora striata, End., Zool. Jahrb.,
xliii, 348 [notes].

18. Phaeospila, Bezzi.

Phaeospila, Bezzi, Mem. Ind. Mus., iii, 117, 1913) [genotype, *P. varipes*, Bezzi].

varipes, Bezzi.

Phaeospila varipes, Bezzi, Mem. Ind. ¹ Darjiling.
Mus., iii, 118, tab. ix, fig. 30, (1913).¹

19. Acidia, Robineau-Desvoidy.

Acidea, R-D., Myod., 720, xiv, (1830) [genotype, *Tephritis cognata* Wd.]; Wulp, Cat. Dipt. S. Asia, 189; Bezzi, Mem. Ind. Mus., iii, 139.
Ocneros, O. G. Costa.
Hemilea.

alboscuteUata, van der Wulp.

Anomoea alboscuteUata, Wulp, Tijd. v. ³ Tenasserim.
Ent., xli, 217, 4, tab. x, fig. 15,
(1898)¹; *id.*, loc. cit., xliii, 51.²
Acidia alboscuteUata, Bezzi, Mem. Ind. ^{1, 2} Sumatra.
Mus., iii, 145, tab. x, fig. 49.³

apicalis, Bezzi.

Acidia apicalis, Bezzi, Mem. Ind. Mus., ¹ Darjiling.
iii, 144, tab. ix, fig. 47, (1913).¹

discaUis, Brunetti.

Acidia discaUis, Brun., R. I. M., xiii, ¹ Phagu.
97, fig. 4, a, b, (1917).¹

erythraspis, Bezzi.

Acidia erythraspis, Bezzi, Mem. Ind., ¹ Kurseong.
Mus., iii, 145, tab. x, fig. 50, (1913).¹

fossata, Fabricius.

Tephritis fossata, F., Syst. Antl., 320, 20, Sukna.
(1805).¹
Trypeta fossata, Wd., Auss. Zweifl. Ins., Tenasserim.
ii, 503, 41²; Wulp, Cat. Dipt. S. Asia,
192³; Big., Jo. A. S. B., lxi, 224.⁴ Assam.
Anomea fossata, Wulp, Tijd. v. Ent., Travancore.
xli, 216, 3, tab. x, fig. 14⁵; *id.*, ^{1, 2, 3} Tranquebar.
loc. cit., xliii, 54, 57.⁶
Acidia fossata, Bezzi, Mem. Ind. Mus., Peradeniya (Petch)
iii, 144, tab. ix, fig. 48.⁷

Anomoia elimia, Wlk., List Dipt. B. M., 5, 6, 8, 10 Java.
iv, 1033, (1849).⁸

Trypeta elimia, O-S., Berl. Ent. Zeit., 10 11 Amboina.
xxvi, 227 ⁹; Wulp. Cat. Dipt. S. ⁹, 10 Philippines.
Asia, 192.¹⁰

Ortalis regularis, Dol., Nat. Tijd. Ned.
Ind., xvii, 119, 75, (1859).¹¹

himalayensis, Bezzi.

Acidia himalayensis, Bezzi, Mem. Ind. ¹ Kurseong.
Mus., iii, 142, tab. ix, fig. 45, (1913).¹

praestans, Bezzi.

Acidia (Ocneros) praestans, Bezzi, Mem. ¹ Bhowali.
Ind. Mus., iii, 141, tab. x, fig. 51,
(1913).¹

rioxaeformis, Bezzi.

Acidia rioxaeformis, Bezzi, Mem. Ind. ¹ Simla.
Mus., iii, 143, tab. ix, fig. 46, (1913).¹

20. Vidalia, Robineau-Desvoidy.

Vidalia, R-D., Myod., 719, xii, (1830) [genotype, *V. impressifrons*,
R-D.]; Bezzi, Mem. Ind. Mus., iii, 135.

ceratophera, Bezzi.

Vidalia ceratophera, Bezzi, Mem. Ind. ¹ Siliguri.
Mus., iii, 136, tab. ix, fig. 42,
(1913).¹

cervicornis, Brunetti.

Vidalia cervicornis, Brun., R. I. M., ¹ Phagu.
xiii, 95, figs. 2, 3, (1917).¹ Murree.

melanonotum, Brunetti.

Vidalia melanonotum, Brun., R. I. M., ¹ Phagu.
xiii, 96, (1917).¹

triceratops, Bezzi.

Vidalia triceratops, Brun., Mem. Ind. ¹ Darjiling.
Mus., iii, 137, tab. ix, fig. 43, (1913).¹

21. Zonosema, Loew.

Zonosema, Lw., Monog. Trypet., 43, viii, (1862) [genotype, *Tephritis alternata*, Fall.]; Bezzi, Mem. Ind. Mus., iii, 134.

dubium, Bezzi.

Zonosema dubium, Bezzi, Mem. Ind. ¹ Naini Tal.
Mus., iii, 135, tab. ix, fig. 41, (1913).¹

22. Carpomyia, Costa.

Carpomyia, Costa, Annal. Sci., i, 87, (1854) [genotype, *C. vesuviana*, Costa]; Rond., Bull. S. Ent. Ital., i, 164; *id.*, Dipt. Ital. Prodr., i, 111; Wulp, Cat. Dipt. S. Asia, 195; Bezzi, Mem. Ind. Mus., iii, 133.

vesuviana, Costa.

Carpomyia vesuviana, Costa, Annal. ⁵ Calcutta.
Sci., i, 87, 10, (1854) ¹; Rond., Bull. ^{8, 9, 10, 7, 1, 2, 3, 4, S.}
S. Ent. Ital., i, 164 ²; *id.*, loc. cit., ii, Europe.
23, 1³; Bezzi, Boll. Lab. Zool. Portici, v, 10, 4, figs. 5, 6 ⁴; *id.*, Mem.
Ind. Mus., iii, 134, tab. ix, fig. 40.⁵
Orellia vesuviana, V. Rod., Ent. Nacht.,
xvii, 210 ⁶; Beck., Cat. Pal. Dipt.,
iv, 116.⁷
Orellia buccichi, Frauenfld., Verh. z. b.
Ges. Wien, xvii, 500, tab. xii, fig. 23,
(1867) ⁸; *id.*, loc. cit., xviii, 154, 5 ⁹;
Kaltenbach, Pflanzenf., 776, 1.¹⁰

23. Myiopardalis, Bezzi.

Myiopardalis, Bezzi, Boll. Lab. Zool. Portici, v, 8, (1910) [genotype, *Carpomyia pardalina*, Big.]; *id.*, Mem. Ind. Mus., iii, 132.

pardalina, Bigot.

- Carpomyia pardalina*, Big., Ind. Mus. ^{1, 2} India.
 Notes, ii, 77, tab. v, fig. 1, (1891) ¹; ^{3, 6} Pishin (5000').
 Wulp, Cat. Dipt. S. Asia, 195 ²; Cleg- ⁸ Baluchistan.
 horn, Ind. Mus. Notes, ii, 24 ³; Pusa.
 Lefroy, Ind. Ins. Pests, 171, fig. 194 ⁴;
id., Mem. Dpt. Ag. Ind., i, 129, fig.
 72 ⁵; Frogg., "Fruit-Fly," 112.
Myiopardalis pardalina, Bezzi, Boll. ⁹ Mesopotamia.
 Lab. Zool. Portici, v, 9, 2, figs. 1, 3, 4 ⁷; ¹⁰ Palestine.
id., Mem. Ind. Mus., iii, 132, tab. ¹⁰ Egypt.
 ix, fig. 39 ⁸; Rao, iv, Ent. Mtg.,
 170 ⁹; Adair, Ag. Jo. Egypt, x, 20. ¹⁰

24. Ceratitis, MacLeay.

- Ceratitis*, McL., Zool. Jo., iv, 475, (1829) [genotype, *Trypeta capitata*, Wd.]; Wulp, Cat. Dipt. S. Asia, 189; Frogg., "Fruit-Fly," 99; Bezzi, Mem. Ind. Mus., iii, 129. *Halterophora*, Rond., Dipt. Ital. Prodr., iv, 10, (1861) [genotype, *Trypeta capitata*, Wd.).
Petalophora, Macq., H. N. Dipt., ii, 454, 5, (1835) [genotype, *Trypeta capitata*, Wd.].

asiatica, Becker.

- Ceratitis asiatica*, Beck., Ann. Mus. Zool. ^{1, 2} N. E. Tibet.
 Petersb., xii, 291, 64, tab. i, fig. 10,
 (1907) ¹; Bezzi, Mem. Ind. Mus., iii,
 67. ²

[In spite of the record by van der Wulp of *C. capitata* from "E. India," this species does not seem to occur within the Oriental Region.]

25. Phagocarpus, Rondani.

- Phagocarpus*, Rond., Bull. S. Ent. Ital., iii, 171, xix, (1871) [genotype, *Musca permundus*, Harris]; Bezzi, Mem. Ind. Mus., iii, 130.
Anomoia, Wlk., E. M. M., iii, 80, (1836) [genotype, *M. permundus*, Har.] [praeocc.].

immsi, Bezzi.

- Phagocarpus immsi*, Bezzi, Mem. Ind. ¹ Bhowali.
 Mus., iii, 131, tab. x, fig. 72, (1913). ¹

26. *Spheniscomyia*, Bezzi.

Sphaeniscus, Beck., Mitt. Zool. Jus. Berl., iv, 138, (1908) [genotype, *Trypeta quadrincisa*, Wd., as *S. brevicauda*, Beck.].

Spheniscomyia, Bezzi, Mem. Ind. Mus., iii, 146, (1913) [emend.]; *id.*, B. Ent. R., ix, 121.

quadrincisa, Wiedemann.

Trypeta quadrincisa, Wd., Anal. Ent., 1, 2, 5, 6 E. India.
55, 122. (1824)¹; *id.*, Auss. Zweifl.

Ins., ii, 508, 50.²

Acidia quadrincisa, Sch., Novara Reise, 6 Calcutta Dist.
264, 99³; O-S., Ann. Mus. Gen., 6 Puri Dist.
xvi, 459⁴; Wulp, Cat. Dipt. S. Asia, 12, 13 Bengal.
189.⁵

Spheniscomyia quadrincisa, Bezzi, Mem. 3 Nicobar.
Ind. Mus., iii, 147, tab. x, fig. 52.⁶ 6 Ceylon.

Sphaeniscus brevicauda, Beck., Mitt. 6, 9, 10, 11 Java.
Zool. Mus. Berl., iv, 138, 401, tab. 6 Teneriffe.
iii, fig. 42, (1908).⁷ 6 Spain.

Aciura filiola, Lw., Zeit. f. ges. Nat.,
xxxiv, 12, 1, (1869).⁸

Euxesta parvula, Wulp, Termes. Fuzet.,
xx, 141, 20, tab. iii, fig. 2, (1897)⁹;
Meij., Tijd. v. Ent., xli, 126.¹⁰

Acidia parvula, Hend., Ann. Mus. Nat.
Hung., vii, 172 12.¹¹

Trypeta tucia, Wlk., List Dipt. B. M.,
iv, 1021, (1849)¹²; Wulp, Cat. Dipt.
S. Asia, 192 [*tacia*, *laps.*].¹³

sexmaculata, Macquart.

Urophora sexmaculata, Mq., Mem. Soc. 2 Calcutta.
Lille, 1842, 379, 2, tab. xxx, fig. 5, 2 Naini Tal.
(1843).¹

Spheniscomyia sexmaculata, Bezzi, N. Bihar (Inglis).
Mem. Ind. Mus., iii, 148, tab. x,
fig. 53.²

Trypeta atilia, Wlk., List Dipt. B. M., 2 Java.
iv, 1021, (1849).³

Acidia atilia, Wulp, Cat. Dipt. S. Asia, 2 Borneo.
189.⁴

- Trypeta formosana*, Enderl., Zool. Jahrb., xxxi, 427, fig. H, (1911).⁵ ^{2, 4} Celebes.
^{2, 7, 8} Philippines.
Trypeta melaleuca, Wlk., P. Linn. Soc., vii, 238, 40, (1864).⁶ ^{2, 3, 4} Ceram.
^{2, 5} Formosa.
Acidia melaleuca, O-S., Ann. Mus. Gen., xvi, 459⁷; *id.*, Berl. Ent. Zeit., xxvi, 227.⁸ ^{2, 4} China.
² Reunion.
² Madagascar.
Acidia melania, Bezzi, Denk. med-nat. Ges. Jena, xiii, 194, 34, fig. 3, (1908).⁹ ² S. Africa.
Ortalis sanctae-mariae, Big., Bull. S. Ent. Fr., (3) vii, 458, tab. xiii, fig. 3, (1859).¹⁰
Acidia sanctae-mariae, Hend., Ann. Mus. Nat. Hung., vii, 172, 12.¹¹
Trypeta sexincisa, Thoms., Eugen. Reise, 579, 252, (1868).¹²

27. *Aciura*, Robineau-Desvoidy.

Aciura, R-D., Myod., 773, xiii, (1839) [genotype, *Musca coryli*, Rossi]; Lw., Besch. Europ. Behrfl., 29; Sch., F. Austr., ii, 112; Will., Cat. Dipt. N. Amer., 607; Bezzi, Mem. Ind. Mus., iii, 149; *id.*, B. Ent. R., ix, 18.

monochaeta.

- Aciura monochaeta*, Bezzi, Mem. Ind. Mus., iii, 150, tab. x, fig. 54, (1913).¹ ¹ Calcutta.

xanthotricha, Bezzi.

- Aciura xanthotricha*, Bezzi, Mem. Ind. Mus., iii, 151, tab. x, fig. 55, (1913).¹ ¹ Garhwal District.
¹ Tenasserim.

28. *Staurella*, Bezzi.

Staurella, Bezzi, Mem. Ind. Mus., iii, 121, (1913) [genotype, *Musca crux*, F.].

crux, Fabricius.

- Musca crux*, F., Ent. Syst., iv, 358, 190, (1794).¹ ^{1, 2, 3, 4} E. India.
Dacus crux, *id.*, Syst. Antl., 277, 23.² ⁵ Calcutta.

Trypeta crux, Wd., Auss. Zweifl. Ins.,
ii, 488, 19³; Wulp, Cat. Dipt. S.
Asia, 192.⁴

Staurella crux, Bezzi, Mem. Ind. Mus.,
iii, 122, tab. ix, fig. 33.⁵

dissoluta, Bezzi.

Staurella dissoluta, Bezzi, Mem. Ind. ¹ Naini Tal District.
Mus., iii, 123, tab. ix, fig. 34,
(1913).¹

luteifasciata, Senior-White.

Staurella luteifasciata, S-W., Ent. Mem. ¹ Matale (Ceylon).
Dpt. Ag. Ind., vii, 158-159, t. 14,
fig. 2, (1922).¹

nigripeda, Bezzi.

Staurella nigripeda, Bezzi, Mem. Ind. ¹ Kurseong.
Mus., iii, 123, tab. ix, fig. 35, (1913).¹

zeylanica, Senior-White.

Staurella zeylanica, S-W., Spol. Zeyl., ¹ Matale (Ceylon).
xi, 392, tab. i, fig. 3, (1921) ¹; *id.*,
Ent. Mem. Dpt. Ag. Ind., vii, 159,
(1922) [note].²

29. Platensina, Enderlein.

Platensina, Enderl., Zool. Jahrb., xxxi, 453, (1911) [genotype];
Bezzi, B. Ent. R., ix, 24.

Tephrostola, Bezzi, Mem. Ind. Mus., iii, 153, (1913) [genotype,
Trypeta acrostacta, Wd.].

acrostacta, Wiedemann.

Trypeta acrostacta, Wd., Anal. Ent., ^{1, 2, 3} E. India.
54, 119, (1824) ¹; *id.*, Auss. Zweifl. ⁴ Sikkim.
Ins., ii, 501, 39²; Wulp, Cat. Dipt. ⁴ Bengal.
S. Asia, 192.³ ⁴ Ranchi.

Tephrostola acrostacta, Bezzi, Mem. ⁴ Puri.
Ind. Mus., iii, 153, tab. x, fig. 57.⁴ ⁴ Moulmein.

Ensina guttata, Mq., Mem. Soc. Lille, ⁵, ⁶ Coromandel.
 1842, 387, 1, tab. xxxi, fig. 10. Ceylon (White).
 (1843) ⁵; Wulp, Cat. Dipt. S. Asia,
 194. ⁶

reinhardi, Wiedemann.

Trypeta reinhardi, Wd., Anal. Ent., ¹, ², ³ E. India.
 54, 121, (1824) ¹; *id.*, Auss. Zweifl. ⁴ Calcutta.
 Ins., ii, 507, 48 ²; Wulp, Cat. Dipt. Ceylon, (White).
 S. Asia, 192. ³
Tephrostola reinhardi, Bezzi, Mem. Ind.
 Mus., iii, 154. ⁴

30. Tephrella, Bezzi.

Tephrella, Bezzi, Mem. Ind. Mus., iii, 151, (1913) [genotype, *T. decipiens*, Bezzi]; *id.*, B. Ent. R., ix, 22.
decipiens, Bezzi, Mem. Ind. Mus., iii, 152, ¹ Darjiling District.
 tab. x, fig. 56, (1913). ¹

31. Elaphromyia, Bigot.

Elaphromyia, Big., Rev. Mag. Zool., vii, 10, (1859) [genotype. *E. melas*, Big.]; Bezzi, B. Ent. R., ix, 27.
Paralleloptera, *id.*, Mem. Ind. Mus., iii, 154, (1913). [genotype, *P. pterocallaeformis*, Bezzi].

pterocallaeformis, Bezzi.

Paralleloptera pterocallaeformis, Bezzi, ¹ Simla Hills.
 Mem. Ind. Mus., iii, 155, tab. x, fig. ¹ Bhowali.
 58, (1913). ¹ ² Cherrapunji.
Elaphromyia pterocallaeformis, S-W.,
 Mem. Dpt. Ag. Ind., vii, 97. ²

32. Craspedoxantha, Bezzi.

Craspedoxantha, Bezzi, Mem. Ind. Mus., iii, 156, (1913) [genotype, *C. octopunctata*, Bezzi].

octopunctata, Bezzi.

Craspedoxantha octopunctata, Bezzi, ¹ Dawnat Range.
 Mem. Ind. Mus., iii, 156, tab. x, fig. ² Nagpur.
 59, (1913) ¹; S-W., Mem. Dpt. Ag.
 Ind., vii, 98.²

33. Sphenella, Robineau-Desvoidy.

Sphenella, R-D., Myod., 773, xiv, (1830) [genotype, *Tephritis marginata*, Fallen]; Bezzi, Mem. Ind. Mus., iii, 157.

indica, Schiner.

Sphenella indica, Sch., Novara Reise, ^{1, 2, 3} Madras.
 267, 110, (1868) ¹; Wulp, Cat. Dipt. ³ Puri.
 S. Asia, 194 ²; Bezzi, Mem. Ind. Mus., Ceylon (White).
 iii, 158, tab. x, fig. 60.³

34. Ensina, Robineau-Desvoidy.

Ensina, R-D., Myod., 751, (1830) [genotype, *Ensina sonchii*, Linn.];
 Lw., Europ. Bohrl., 64; *id.*, Monog. N. Amer. Dipt., iii, 291; Sch., F.
 Austr., ii, 143; Wulp, Biologia, Dipt., ii, 416; Ald., Cat. N. Amer.
 Dipt., 610; Bezzi, B. Ent. R., ix, 31.

antiqua, Walker.

Trypeta antiqua, Wlk., Dipt. Saund., ^{1, 2, 3} E. India.
 378, (1856) ¹; Wulp, Cat. Dipt. S.
 Asia, 192.²
 ? *Ensina antiqua*, Bezzi, Mem. Ind.
 Mus., iii, 67.³

contingens, Becker.

Oxya contingens, Beck., Mem. Acad. ^{1, 2} E. Tibet.
 Sci. Petersb., xii, 288, 58, tab. i,
 fig. 5, (1907) ¹; Bezzi, Mem. Ind. Mus.,
 iii, 69.²

evanescens, Becker.

Oxya evanescens, Beck., Mem. Acad. ¹ N. E. Tibet.
 Sci. Petersb., xii, 189, 59, tab. i, fig. ² Turkestan.
 6, (1907) ¹; Bezzi, Mem. Ind. Mus.,
 iii, 71.²

sororcula, Wiedemann.

Trypeta sororcula, Wd., Auss. Zweifl. ³ Bengal.

Ins., ii, 509, 52, (1830).¹

Oxya sororcula, Beck., Mitt. Zool. Mus. ³ Simla Hills.

Berl., iv, 144, 420 ²; Bezzi, Mem. Ceylon.

Ind. Mus., iii, 159, tab. x, fig. 61.³

Ensina sororcula, *id.*, B. Ent. R., ix, 32.⁴

Ensina bisetosa, Enderl., Zool. Jahrb., ⁵ Formosa.

xxxi, (1911) [1 ♂ only].⁵ ⁴ E. Africa.

Ensina vacillans, Woll., A. M. N. H., ⁴ S. Africa.

(3) i, 115, (1858) ⁶; Bezzi, Boll. S.

Ent. Ital., xxxix, 159, 127.⁷

Leptomyza variipennis, Wulp, Termes.

Fuzet., xx, 143, 28, tab. iii, figs.

3, 4, (1897).⁸

Oxya variipennis, Zerny, Wien. Ent.

Zeit., xxi, 256 ⁹; *id.*, *loc. cit.*, xxv,

254, figs. 1, 2.¹⁰

35. Oxya, Robineau-Desvoidy.

Oxya, R-D., Myod., 755, iii, (1830) [genotype, *Tephritis absinthii*, F.]; Bezzi, Mem. Ind. Mus., iii, 158.

diluta, Becker.

Oxya diluta, Beck., Mem. Acad. Sci. ¹ Turkestan.

Petersb., xii, 289, 60, tab. i, fig. 7,

(1907) ¹; Bezzi, Mem. Ind. Mus.,

iii, 70.

36. Spathulina, Rendani.

Spathulina, Rond., Dipt. Ital. Prodr., i, 113, (1856) [genotype, *Tephritis tristis*, Lw., as *Litricha sicula*, Rond.]; Bezzi, B. Ent. R., ix, 28.

parca, Bezzi.

Oxya parca, Bezzi, Mem. Ind. Mus., ¹ Calcutta.

iii, 159, tab. x, fig. 62, (1913).¹

Spathulina parca, *id.*, B. Ent. R., ix,

28.²

37. Campiglossa, Rondani.

Campiglossa, Rond., Boll. S. Ent. Ital., ii, 121, (1870) [genotype, *Tephritis irrorata*, Fallen]; Bezzi, Mem. Ind. Mus., iii, 160; *id.*, B. Ent. R., ix, 38.

cribellata, Bezzi.

Campiglossa cribellata, Bezzi, Mem. ¹ Kurseong.
Ind. Mus., iii, 161, tab. x, fig. 63,
(1913).¹

38. Tephritis, Latreille.

Tephritis, Latr., H. N. Crust. Ins., xiv, 389, (1804) [genotype, *Musca leontodontis*, de Geer]; Lw., Europ. Behrfl., 96; *id.*, Monog. N. Amer. Dipt., iii, 295; Sch., F. Aust., ii, 151; Wulp, Biologia Dipt., ii, 419; Ald., Cat. N. Amer. Dipt., 611; Bezzi, Mem. Ind. Mus., iii, 162; *id.*, B. Ent. R., ix, 15.

Urophora, R-D., Myod., 769, (1830) [genotype, *Musca solstitialis*, L.]; Sch., F. Austr., ii, 134; Ald., Cat. N. Amer. Dipt., 614.

brahma, Schiner.

Tephritis brahma, Sch., Novara Reise ^{1, 2} Madras.
Dipt., 272, (1868) ¹; Wulp, Cat. Dipt.
S. Asia, 195 ²; Bezzi, Mem. Ind. Mus.,
iii, 68. ³

euryptera, Bezzi.

Tephritis euryptera, Bezzi, Mem. Ind. ¹ Tenasserim.
Mus., iii, 162, tab. x, fig. 64, (1913).¹

lyncea, Bezzi.

Tephritis lyncea, Bezzi, Mem. Ind. Mus., ¹ Darjiling.
iii, 165, tab. x, fig. 67, (1913).¹

mixta, Walker.

Trypeta mixta, Wlk., Dipt. Saund., ^{1, 2} E. India.
385, (1856) ¹; Wulp, Cat. Dipt. S.
Asia, 193. ²
Tephritis mixta, Bezzi, Mem. Ind. Mus.,
iii, 75. ³

spiloptera, Bezzi.

Tephritis spiloptera, Bezzi, Mem. Ind. ¹ Calcutta.
Mus., iii, 165, tab. x, fig. 68, (1913).¹ Ceylon.

stella, Walker.

Trypeta stella, Wlk., List Dipt. B. M., ^{1, 2} Bengal.
iv, 1030, (1849) ¹; Wulp, Cat. Dipt.
S. Asia, 192.²

Tephritis stella, Bezzi, Mem. Ind. Mus.,
iii, 79.³

tribulicola, Senior-White.

Tephritis tribulicola, S-W., Ent. Mem. ¹ Khasis.
Dpt. Ag. Ind., vii, 161-164, fig.,
(1922).¹

vittata, Macquart.

Tephritis vittata, Mq., Dipt. Exot., ii, ^{1, 3} E. India.
supp. iv, 290, (1851) ¹; Bezzi, Mem.
Ind. Mus., iii, 81.²

Trypeta vittata, Wulp, Cat. Dipt. S. Asia,
192.³

zodiacalis, Bezzi.

Tephritis zodiacalis, Bezzi, Mem. Ind. ¹ Calcutta.
Mus., iii, 163, tab. x, fig. 65, (1913).¹

zonogastra, Bezzi.

Tephritis zonogastra, Bezzi, Mem. Ind. ¹ Puri.
Mus., iii, 164, tab. x, fig. 66, (1913).¹ N. Bihar.

39. Trypanea, Schrank.

Trypanea, Schrk., Briefe Donaumoor., 147, (1795) [genotype, *Musca stellata*, Fuessly]; Bezzi, Mem. Ind. Mus., iii, 166; *id.*, B. Ent. R., ix, 41.

Urellia, R-D., Myod., 774, xv, (1830) [genotype, *eluta*, Meig.]; Lw., Europ. Behrfl., 117; Wulp, Biologia Dipt., ii, 426; Ald., Cat. N. Amer. Dipt., 613.

amoena, Frauenfeld.

Trypeta amoena, Frnfl., Sitz. Akad. ² Calcutta.
Wiss. Wien., xxii, 542, fig. 2, ² Paresnath.
(1856).¹ ² Lahore.

Trypanea amoena, Bezzi, Mem. Ind. Ceylon.
Mus., iii, 167, tab. x, fig. 70.² ^{1, 2} Europe.
² N. Africa.

asteria, Schiner.

- Tephritis asteria*, Sch., Novara Reise ^{1, 2, 4} Madras.
 Dipt., 270, 118, (1868) ¹; Wulp, Cat. ⁴ Paresnath.
 Dipt. S. Asia, 195 ²; Meij., Tijd. v. ^{3, 4} Java.
 Ent., li, 132, 2, tab. iv, fig. 6. ³
Trypanea asteria, Bezzi, Mem. Ind.
 Mus., iii, 167, tab. x, fig. 71. ⁴ .

aucta, Bezzi.

- Trypanea aucta*, Bezzi, Mem. Ind. Mus., ¹ Puri.
 iii, 167, tab. x, fig. 69, (1913). ¹
Trypanea aucta var. *repleta*, Bezzi, B. ² Africa
 Ent. R., ix, 45, fig. 3, (1918). ²

cribrata, Becker.

- Urellia cribrata*, Beck., Mem. Acad. Sci. ¹ Thibet.
 Petersb., xii, 287, 53, tab. i, fig. 3,
 (1907). ¹
Trypanea cribrata, Bezzi, Mem. Ind.
 Mus., iii, 69. ²

ferruginea, Walker.

- Trypeta ferruginea*, Wlk., Dipt. Saunds., ^{1, 2} E. India.
 387, (1856) ¹; Wulp, Cat. Dipt. S.
 Asia, 193 ²; Bezzi, Mem. Ind. Mus.,
 iii, 72. ³

nebulosa, Becker.

- Urellia nebulosa*, Beck., Mem. Acad. ¹ E. Thibet.
 Sci. Petersb., xii, 286, tab. i, fig. 2,
 (1907). ¹
Trypanea nebulosa, Bezzi, Mem. Ind.
 Mus., iii, 77. ²

pentadactyla, Senior-White.

- Trypanea pentadactyla*, S-W., Ent. Mem. ¹ N. Bihar.
 Dpt. Ag. Ind., vii, 164, t. 15, fig. 10,
 (1922). ¹

INDEX TO GENERA.

Acanthipeza= *Adrama*.
Acanthoneura, 9.
Acidia, 19.
Aciura, 27.
Adrama, 4.
Anomoia= *Phagocarpus*.
Anoplomus, 6.
Axania= *Mellessis*.

Callistomyia, 14.
Campiglossa, 37.
Carpomyia, 22.
Ceratitis, 24.
Chaetellipsis, 7.
Chaetodacus, 2.
Chelyophora, 17.
Craspedoxantha, 32.

Dacus, 1.
Dasyneura= *Chaetodacus*.
Diarrhegma, 12.

Elaphromyia, 31.
Ensina, 34.

Gastrozona, 15.

Hemilea= *Acidia*.

Leptoxyda= *Dacus*.

Mellessis, 3.
Meracantha= *Meracanthomyia*.
Meracanthomyia, 5.
Myiopardalis, 23.

Ocneros= *Acidia*.
Oxyna, 35.

Paralleloptera= *Elaphromyia*.
Phagocarpus, 25.
Phaeospila, 18.
Platensina, 29.
Poecilis, 8.
Polistomimetes= *Mellessis*.
Ptilona, 13.

Rioxa, 11.

Spathulina, 36.
Sphaeniscus= *Spheniscomyia*.
Sphenella, 33.
Spheniscomyia, 26.
Staurella, 28.
Stictaspis= *Chelyophora*.

Taeniostola, 16.
Tephrella, 30.
Tephritis, 38.
Tephrostola= *Platensina*.
Trypanea, 39.

Urellia= *Trypanea*.
Urophora= *Tephritis*.

Vidalia, 20.

Xanthorrhachis, 10.

Zonosema, 21.

INDEX TO SPECIES.

acrostacta, *Platensina*.
alboscuteclata, *Acidia*.
amoena, *Trypanea*.
annandalei, *Xanthorrhachis*.
antiqua, *Ensina*.
apicalis, *Acidia*.
asiatica, *Ceratitis*.
asteria, *Trypanea*.
atilia (*sexmaculata*), *Spheniscomyia*.
aucta, *Trypanea*.
austeni, *Adrama*.

biguttatus, *Chaetodacus*.
bipustulatus, *Chaetodacus*.

bisetosa (*sororecula*), *Ensina*.
brachycera, *Mellessis*.
brahma, *Tephritis*.
brevicauda (*quadrincisa*), *Spheniscomyia*.
brevicornis, *Ptilona*.
brevistylus, *Dacus*.
bucchichi (*vesuviana*), *Carpomyia*.

caudatus, *Chaetodacus*.
ceratitina, *Chelyophora*.
ceratophora, *Vidalia*.
cervicornis, *Vidalia*.
contingens, *Ensina*.
contraria, *Rioxa*.

correctus, Chaetodacus.
 crabroniformis, Mellesis.
 cribellata, Campiglessa.
 cribrata, Trypanea.
 crux, Staurella.
 cucurbitae, Chaetodacus.

decipiens, Tephrella.
 destillatoria, Mellesis.
 diluta, Oxya.
 discalis, Acidia.
 dissoluta, Saturella.
 diversus, Chaetodacus.
dorsalis (ferrugineus var. *dorsalis*), Chaetodacus.
 dubium, Zonosema.
 dunlopi, Rioxa.
 duplicatus, Chaetodacus.

elimia (fossata), Acidia.
 erythrasis, Acidia.
 eumenoides, Mellesis.
 euryptera, Tephritis.
 evanescens, Ensina.

fasc ventris, Gastrozona.
fasciventris (flexuosus), Anoplomus.
 ferruginea, Trypanea.
 ferrugineus, Chaetodacus.
ferrugineus, Lefroy (zenatus), Chaetodacus.
 ferrugineus dorsalis, Chaetodacus.
 ferrugineus incisus, Chaetodacus.
ferrugineus mangiferae (zonatus), Chaetodacus.
 ferrugineus versicolor, Chaetodacus.
filiola (quadrincisa), Spheniscomyia.
 flexuosus, Anoplomus.
formosana (sexmaculata), Spheniscomyia.
 fossata, Acidia.
 fuscipennis, Acanthoneura.

gamma, Meracanthomyia.
 garciniae, Chaetodacus.
 gracilis, Taeniostola.
guttata (acrostacta), Platensina.

hageni, Chaetodacus.
 himalayensis, Acidia.

icariiformis, Mellesis.
 ichneumonea, Mellesis.
 immsi, Phagocarpus.
incisa (modestum), Diarrhagma.
incisus (ferrugineus incisus), Chaetodacus.
 indica, Sphenella.

judicauda, Poecillis.

longistylus, Dacus.
 luteifasciata, Staurella.
 lyncea, Tephritis.

maculigera (zonatus), Chaetodacus.
 maculipennis, Chaetodacus.
 maculipennis, Meracanthomyia.
 magnifica, Rioxa.
mangiferae (zonatus), Chaetodacus.
melaleuca (sexmaculata), Spheniscomyia.
melania (sexmaculata), Spheniscomyia.
 melanista, Gastrozona.
 melanonotum, Vidalia.
 minax, Mellesis.
 mixta, Tephritis.
 modestum, Diarrhagma.
 monochaeta, Aciura.
 montana, Gastrozona.
 mutyca, Rioxa.

nebulosa, Trypanea.
 nigripeda, Staurella.
 nigriventris, Ptilona.

octopunctata, Craspedoxantha
 oleae, Dacus.
 oleae asiaticus, Dacus.

paradoxa, Chaetellipsis.
 parca, Spathulina.
 parialina, Myiopardalis.
paritii (modestum), Diarrhagma.
parvula (quadrincisa), Spheniscomyia.
 pavonina, Callistomyia.
 pentadactyla, Trypanea.
persicae (zonatus), Chaetodacus.
 polistiformis, Mellesis.
 praestans, Acidia.
 pterocallaeiformis, Elaphromyia.
 punctatipleura, Rioxa.

quadrincisa, Spheniscomyia.
 quinquemaculata, Rioxa.
regularis (fossata), Acidia.
 reinhardi, Platensina.
 rioxaeformis, Acidia.

sanctae-mariae (sexmaculata), Spheniscomyia.
 scutellaris, Chaetodacus.
 scutellarius, Chaetodacus.
 separata, Chelyophora.
sexincisa (sexmaculata), Spheniscomyia.

sexmaculata, *Spheniscomyia*.

soluta, *Rioxa*.

sororecula, *Ensina*.

sphaeroidalis, *Mellesis*.

spiloptera, *Tephritis*.

squalidus (*zonatus*), *Chaetodacus*.

stella, *Tephritis*.

stellata, *Rioxa*.

striata, *Cholyophora*.

testacea (*longistylus*), *Dacus*.

tribulicola, *Tephritis*.

triceratops, *Vidalia*.

tuberculatus, *Chaetodacus*.

tucia (*quadrincisa*), *Spheniscomyia*.

vacillans (*sororecula*), *Ensina*.

vaga, *Rioxa*.

variipennis (*sororecula*), *Ensina*.

varipes, *Phaeospila*.

vesuviana, *Carpomyia*.

vidua, *Rioxa*.

vittata, *Tephritis*.

vittigera, *Taenioskola*.

xanthotricha, *Aciura*.

zeylanica, *Staurella*.

zodiacalis, *Tephritis*.

zonata (*correctus*), *Chaetodacus*.

zonatus, *Chaetodacus*.

zonogastra, *Tephritis*.

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